

Minerals Program  
NOI Review Checklist Form  
(revised February 5, 1992)

Type of Form: MR-LMO \_\_\_\_\_ MR-REV ☒

File Number: M/053/005

Review Team: Lead: H. Shepherd  
(Please check when review is complete)

Company: Tenneco Minerals Co.

Hyd/Geo: Wayne Hedberg ☐

Mine Name: Goldstrike

Soil/Veg: Holland Shepherd ☒

Date Received: 1/23/92

Eng/Bond: Tony Gallegos ☒

Target Date: \_\_\_\_\_

**RULE:**

**R613-004-101: Lead** Filing Requirements and Review Procedures

Adequately Addressed ☐ Yes ☐ No If no, comment:

YES-AAG

**R613-004-104: Lead** Operator(s), Surface and Minerals Owners

Adequately Addressed ☐ Yes ☐ No If no, comment:

YES-AAG

**R613-004-105:** Maps, Drawings & Photographs

**105.1: Lead** Topographic base map

Adequately Addressed ☐ Yes ☐ No If no, comment:

YES-AAG

**105.2.11: All** Proposed surface facilities (buildings, roads, ponds, etc.)

Adequately Addressed ☐ Yes ☐ No If no, comment:

NO - MAPS NEED TO SHOW LOCATION OF SILT FENCES; NOT CONTAINED IN DRAWING GS-013. -AAG PLEASE PROVIDE.

**105.2.12: Lead** Border Outlining Acreage

Adequately Addressed ☐ Yes ☐ No If no, comment:

YES-AAG

**105.3: All** Maps, drawings, or cross-sections

Adequately Addressed ☐ Yes ☐ No If no, comment:

- NO - PROVIDE A DETAIL DRAWING OF THE 6-INCH HDPE STRIP CHANNELS AND THEIR CONNECTION TO THE DRAIN PIPE.
- WHERE IS DITCH IS ON DRAWING GS-020 AS DESCRIBED ON PG 60.
  - THE DRAWINGS SHOW 21 ACRES OF UNRECLAIMED HIGHWAYS. PAGE 63 ALSO STATES THIS FIGURE. PAGES 68 DESCRIBE 48 ACRES AS UNRECLAIMED. PLEASE EXPLAIN.
  - WHAT DO THE BOLD ARROWS ON LP#1, LP#3, DRAWING GS-020 SIGNIFY?
  - DETAIL DRAWINGS OF THE MAJOR LOW FLOW "CROSSINGS" SHOULD BE PROVIDED.



**R6130-004-106:    Operation Plan**

**106.1:    Lead                      Material mined**  
Adequately Addressed   ☐ Yes    ☐ No    If no, comment:

YES - AAG

**106.2:    All                      Type of operation to be conducted**  
Adequately Addressed   ☐ Yes    ☐ No    If no, comment:

YES - AAG

**106.3:    Lead/Eng                  Estimated acreages**  
Adequately Addressed   ☐ Yes    ☐ No    If no, comment:

YES - AAG

**106.4:    All                      Nature of materials including waste/overburden and estimated tonnage**  
Adequately Addressed   ☐ Yes    ☐ No    If no, comment:

YES - AAG

**106.5    Soils                      Existing soil types, location plant growth material**  
Adequately Addressed   ☐ Yes    ☐ No    If no, comment:

**106.6    Soils                      Plan for protecting & redepositing existing soils**  
Adequately Addressed   ☐ Yes    ☐ No    If no, comment:

**106.7    Reveg                      Existing vegetative communities to establish revegetation success**  
Adequately Addressed   ☐ Yes    ☐ No    If no, comment:

**106.8    Hyd/Geo/Eng                  Depth to groundwater, overburden material & geologic setting**  
Adequately Addressed   ☐ Yes    ☐ No    If no, comment:

YES - AAG

106.9 All Location & size of ore & waste stockpiles, tailings & treatment ponds  
Adequately Addressed ☐ Yes ☐ No If no, comment:

YES-AAG

R613-004-107

Operation Practices

107.1.11 Eng Closing or guarding of shafts & tunnels to prevent entry  
Adequately Addressed ☐ Yes ☐ No If no, comment:

YES-AAG (N/A)

107.1.12 Eng Disposal of trash, debris  
Adequately Addressed ☒ Yes ☐ No If no, comment:

YES-AAG

107.1.13 Geo Plugging or capping of drill holes  
Adequately Addressed ☐ Yes ☐ No If no, comment:

107.1.14 Eng Posting warning signs  
Adequately Addressed ☒ Yes ☐ No If no, comment:

YES-AAG

107.1.15 Eng Construction of berms, fences  
Adequately Addressed ☐ Yes ☐ No If no, comment:

THE DIVISION AND TENNECO NEED TO DECIDE WHICH PITS WILL REQUIRE BERMING.  
THE BASIS FOR THIS DECISION SHOULD BE "REASONABLE OR PROBABLE" PUBLIC ACCESS.

107.2 and 107.3 Hyd/Eng Drainages and erosion control  
Adequately Addressed ☐ Yes ☐ No If no, comment:

- IS THERE ANY EVIDENCE TO SUPPORT THE LOW FLOW(?) CHANNEL CROSSINGS? DO THEY WORK?
- ~~IS~~ WHAT IS THE CONTINGENCY PLAN IF THEY DO NOT WORK? DETAIL DRAWING OF EACH?
- ALL SILT FENCES WILL REMAIN ON-SITE - WILL BLM MAINTAIN THEM?
- WILL ~~PERMIT~~ DAM SAFETY NEED TO APPROVE MODIFICATION OF SEDIMENT DAM?



**107.4 All Deleterious materials safely removed or isolated**  
Adequately Addressed ☐ Yes ☐ No If no, comment:  
*YES - AAG*

**107.6 Reveg Concurrent reclamation on areas when no longer needed**  
Adequately Addressed ☐ Yes ☐ No If no, comment:

**R613-004-109** **Impact Assessment**  
**109.1 Geo/Hyd Surface & groundwater systems**  
Adequately Addressed ☐ Yes ☐ No If no, comment:

**109.2 Bio/Reveg Wildlife habitat and endangered species**  
Adequately Addressed ☐ Yes ☐ No If no, comment:

**109.3 Soils Existing soil resources**  
Adequately Addressed ☐ Yes ☐ No If no, comment:

**109.4 All Slope stability, erosion control, air quality, public health & safety**  
Adequately Addressed ☐ Yes ☐ No If no, comment:  
*YES - AAG*

**109.5 All Actions proposed to mitigate any of above referenced impacts**  
Adequately Addressed ☐ Yes ☐ No If no, comment:  
*YES - AAG*



**R613-004-110**

**Reclamation Plan**

**110.1 Lead/All** Current land use and postmining land use  
Adequately Addressed ☐ Yes ☐ No If no, comment:

YES - AAG

\* **110.2 All** Roads, highwalls, slopes, impoundments, drainages, pits, ponds, drill holes, etc. will be reclaimed  
Adequately Addressed ☐ Yes ☒ No If no, comment:

NO - PAGE 61 DESCRIBES TWO SHAFT PITS BEING CONSTRUCTED NEAR A SPUR IN DRAINAGE AREA 1F.  
WHAT ARE THESE 2 PITS?

- RECLAMATION OF THE EMERGENCY POND WAS NOT SPECIFICALLY MENTIONED. THIS SHOULD BE ADDRESSED.

**110.3 All** Surface facilities to be left  
Adequately Addressed ☐ Yes ☐ No If no, comment:

YES - NO STRUCTURES (BUILDINGS) TO REMAIN.

**110.4 All** Treatment, location and disposition of deleterious materials  
Adequately Addressed ☐ Yes ☐ No If no, comment:

YES - AAG

\* **110.5 Soil** Revegetation planting program and topsoil redistribution  
Adequately Addressed ☐ Yes ☒ No If no, comment:

**R613-004-111**

**Reclamation Practices**

**111.1 Eng/Geo/Hyd** Permanent sealing of shafts & tunnels  
Adequately Addressed ☐ Yes ☐ No If no, comment:

~~YES - AAG~~ (BERM QUESTION NEEDS TO BE ANSWERED)

- THE ULTIMATE DISPOSITION OF THE FENCE NEEDS TO BE ANSWERED.

\* **111.2 Eng** Reclamation of natural stream channels  
Adequately Addressed ☐ Yes ☒ No If no, comment:

(REFER TO LOW FLOW STREAM CROSSING QUESTION)

\* **111.3 Hyd/Eng** Erosion control - sediment  
Adequately Addressed ☐ Yes ☒ No If no, comment:

WHAT ABOUT  
ITEMS 4, 5, 6, 7, 8

111.9 Eng/Hyd Dams & impoundments to be self-draining and stable  
Adequately Addressed ☐ Yes ☐ No If no, comment:

NO - WHAT HAPPENS TO QUAIL CANYON DAM OVERFLOW AFTER FINAL RECLAMATION?

111.11 Eng Structures & equipment buried or removed  
Adequately Addressed ☒ Yes ☐ No If no, comment:

YES - AAG

\* R613-004-112 All Variance  
Adequately Addressed ☒ Yes ☐ No If no, comment:

- STEEP SLOPE VARIANCE PREVIOUSLY GRANTED
- HIGH WALL DESIGNS/ANALYSES JUSTIFY VARIANCE FOR  $>45^\circ$  ANGLES
- QUAIL CANYON IMPOUNDMENT PREVIOUSLY GRANTED A VARIANCE(?) help!

R613-004-113 Eng/Lead Surety  
Adequately Addressed ☐ Yes ☐ No If no, comment:

R613-004-115 Lead Confidential Information  
Adequately Addressed ☐ Yes ☐ No If no, comment:

R613-004-116 Lead Public Notice & Appeals  
Adequately Addressed ☐ Yes ☐ No If no, comment:

Note to Reviewers:

When preparing your technical review memos to the permit lead, please formulate deficiency comments in paragraph form with reference to the specific rule. Be specific in what is not in compliance and state what is needed to comply. Prepare comments as you want them to go out to the operator.

jb  
NOI-Rev